

RESULTS

QUALITATIVE STUDY ON THE PERCEPTION ON AND HESITANCY FOR COVID-19 VACCINE

JHCCP-BA for COVID-19



Study Objectives:

To understand:

- The perception on and hesitancy for COVID-19 vaccination among unvaccinated people.
- The barriers and reasons for not receiving COVID-19 vaccination.
- Sources of information and the comprehension of COVID-19 vaccination messages that have been received.

Methodology

Data collection: Online interviews by a research team in Jakarta.

Site selection:

- Consideration is given to island regions and areas with diverse backgrounds
- Areas with low coverage of COVID-19 vaccination
- Puskesmas selection is based on recommendation from the Provincial and District/City Health Office
- Selection of villages/*kelurahan* is based on recommendation from the Puskesmas

Riau Province

- Dumai City
- Indragiri Hulu District

East Java Province

- Probolinggo City
- Sumenep District

East Nusa Tenggara Province

- Kupang City
- Malaka District

West Kalimantan Province

- Singkawang City
- Kubu Raya District

South Sulawesi Province

- Pare-Pare City
- Bantaeng District

Methodology

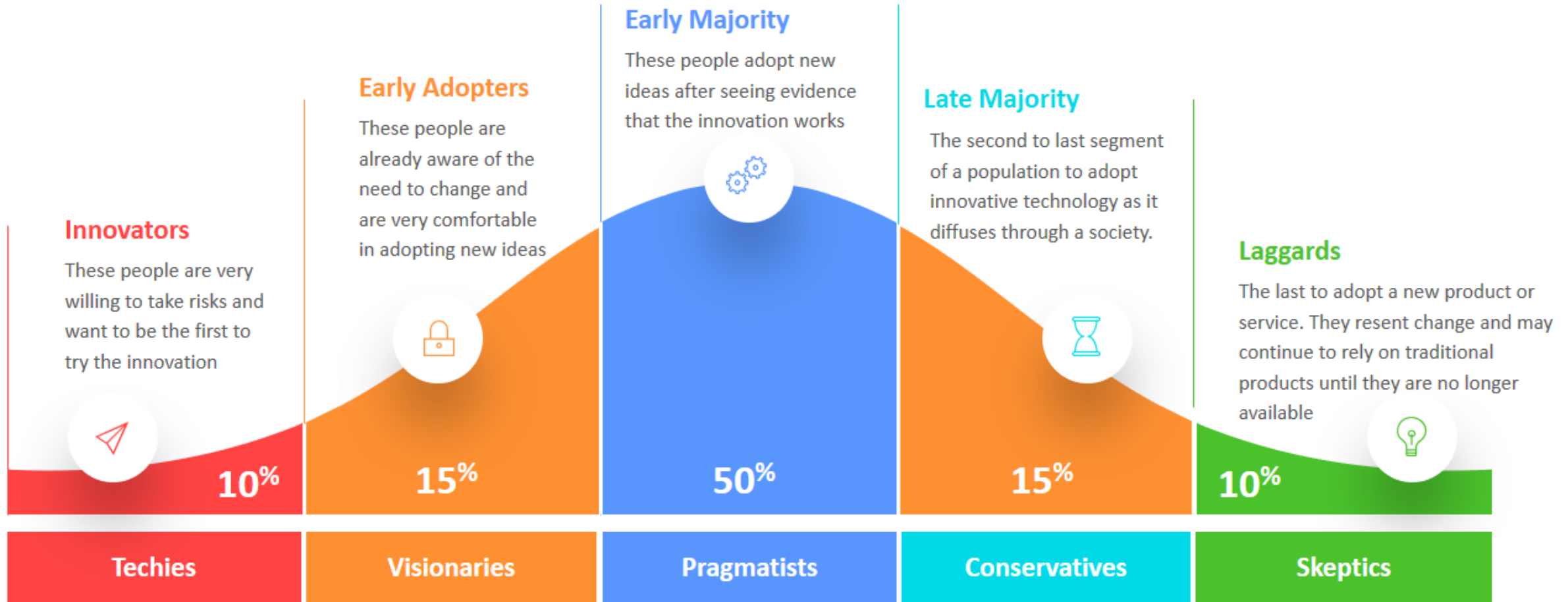
- **Field preparation:** assisted by a Person-in-Charge (PIC) Team in each District/City.
 - Informants are unvaccinated individuals
 - Following selection of villages/*kelurahan* based on Puskesmas recommendation, the PIC worked with Covid cadres/Task Force/Community Group/Neighborhood Group leader (RW/RT) in each village to recruit informants who meet the inclusion criteria
 - PICs assisted in informants' interview through the zoom platform
- Recording, transcribing and analysis were performed by a separate team in Jakarta.

Number and Distribution of Informants in each Province

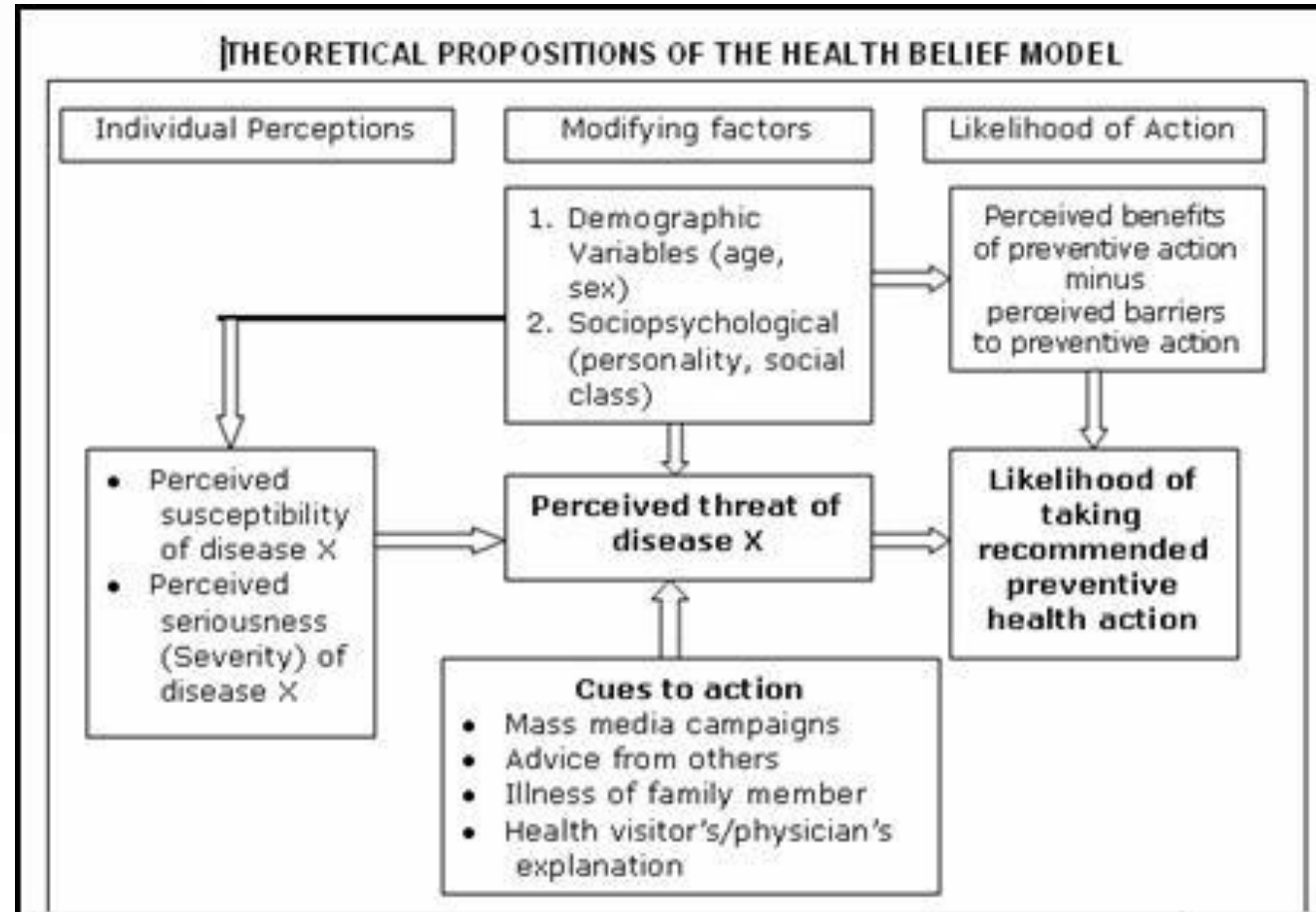
	Level	City (low vaccination coverage)		District (low vaccination coverage)		#	TOTAL	ACTUAL NUMBER RECRUITED (56)
		Semi-far Pusk	Nearby Pusk	Semi-far Pusk	Nearby Pusk			
	<i>Community/religious leader</i>							
1	Comm/relig leader (priority: not yet vaccinated)	1		1		2	10	10
	<i>Unvaccinated people</i>							
2	Elderly men	1		1		2	10	10
3	Elderly women		1		1	2	10	9
4	Formal worker; men	1				1	5	6
5	Informal worker; men			1		1	5	5
6	Worker age 25-35; women		1			1	5	4
7	Mother of underfive children; age 25-35				1	1	5	5
8	Young women age 20-24		1			1	5	3
9	Young men age 20-24				1	1	5	4

DIFFUSION OF INNOVATION MODEL

(Everett Rogers, 1962)



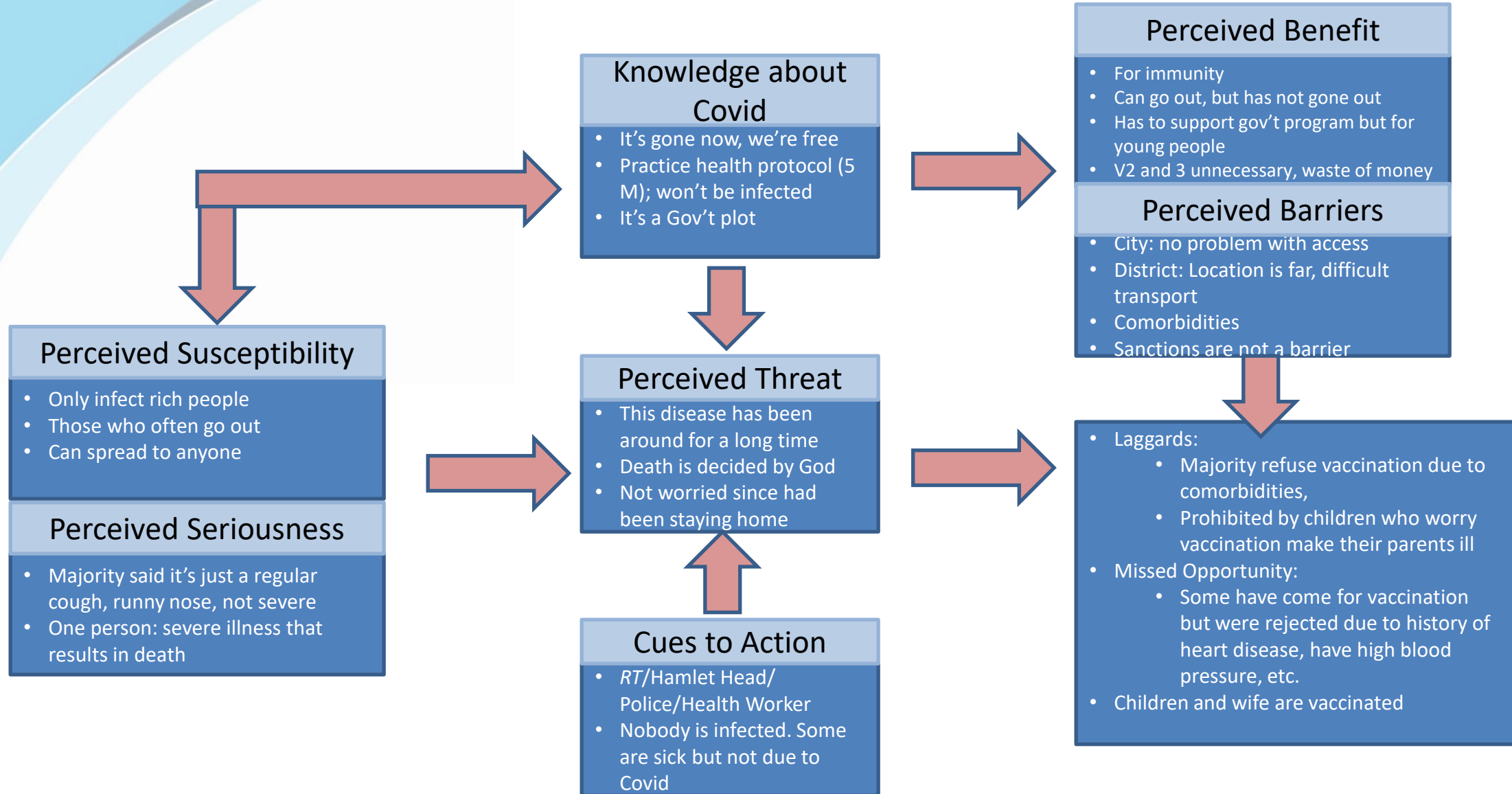
Theoretical Framework



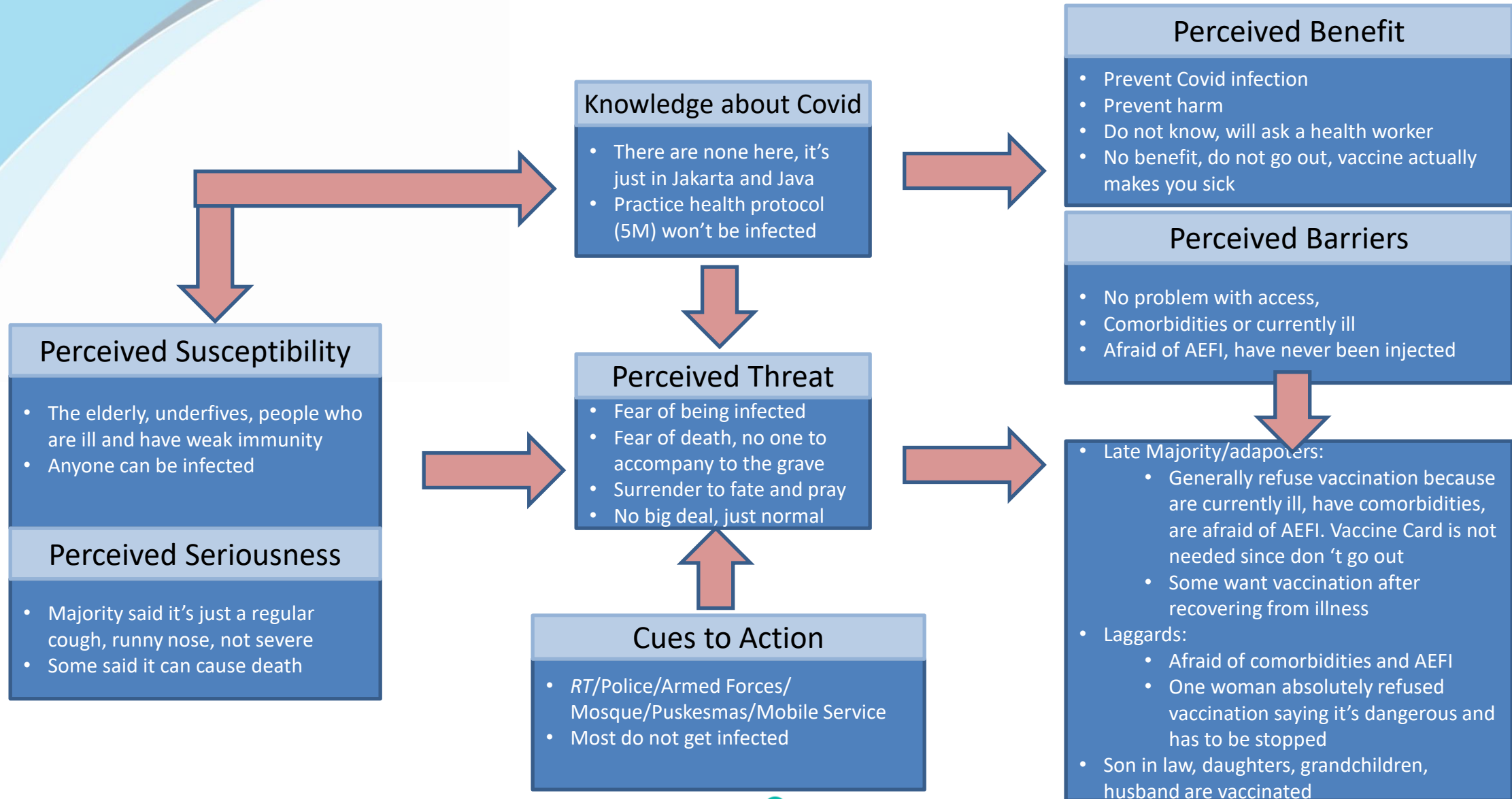
INTERVIEW RESULTS



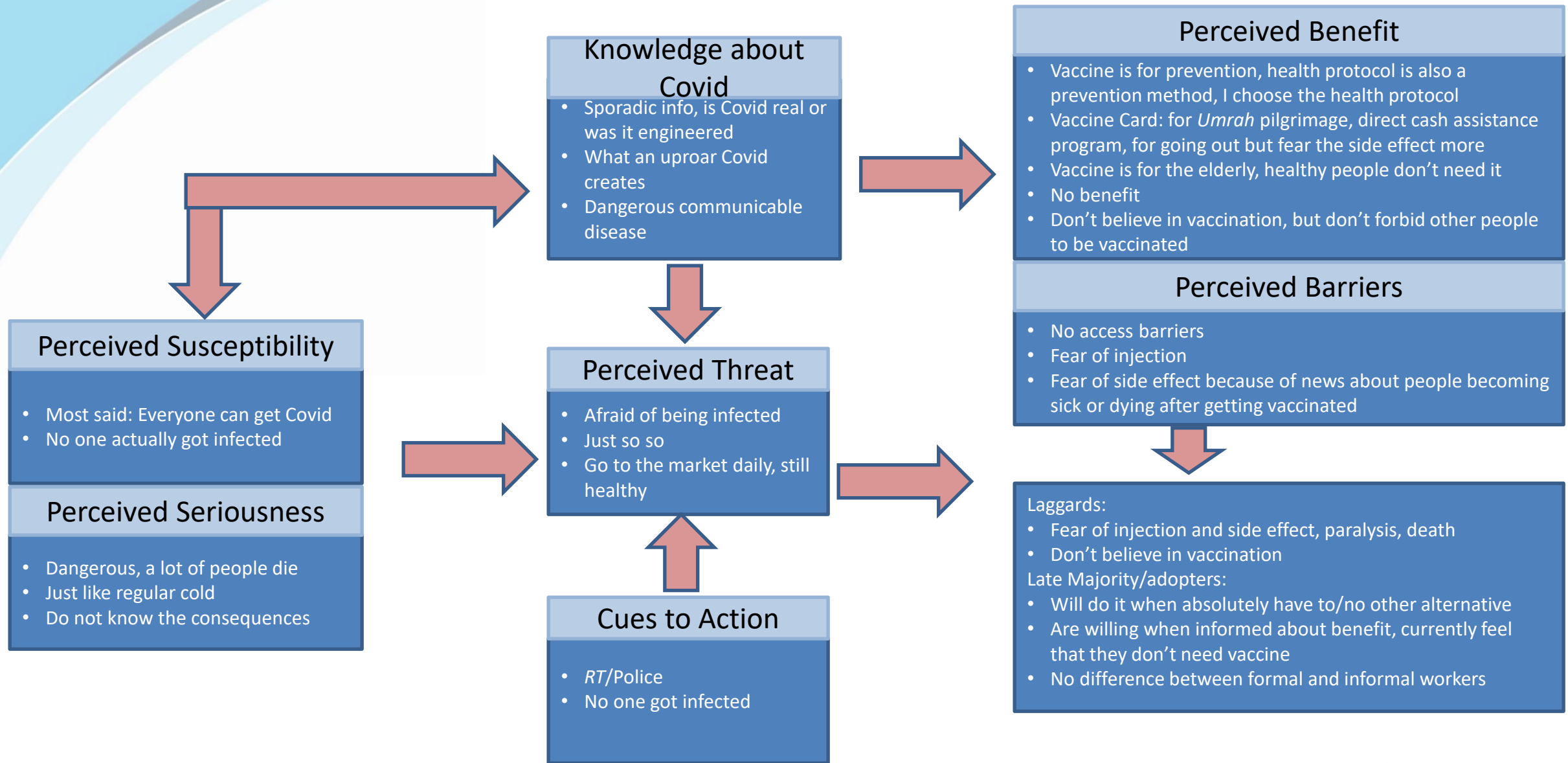
Perception on COVID-19 Vaccine among Elderly Men



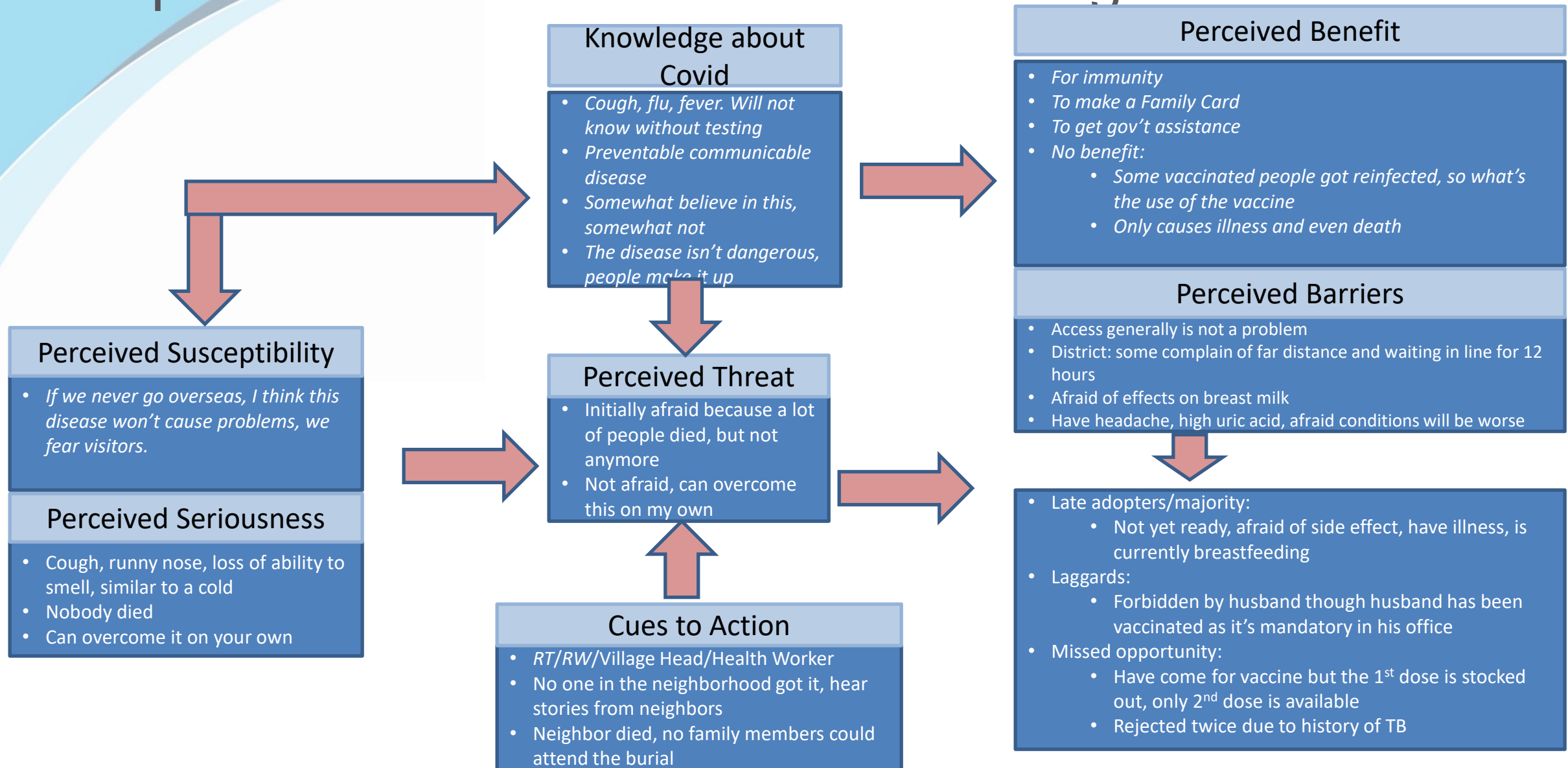
Perception on COVID-19 Vaccine among Elderly Women



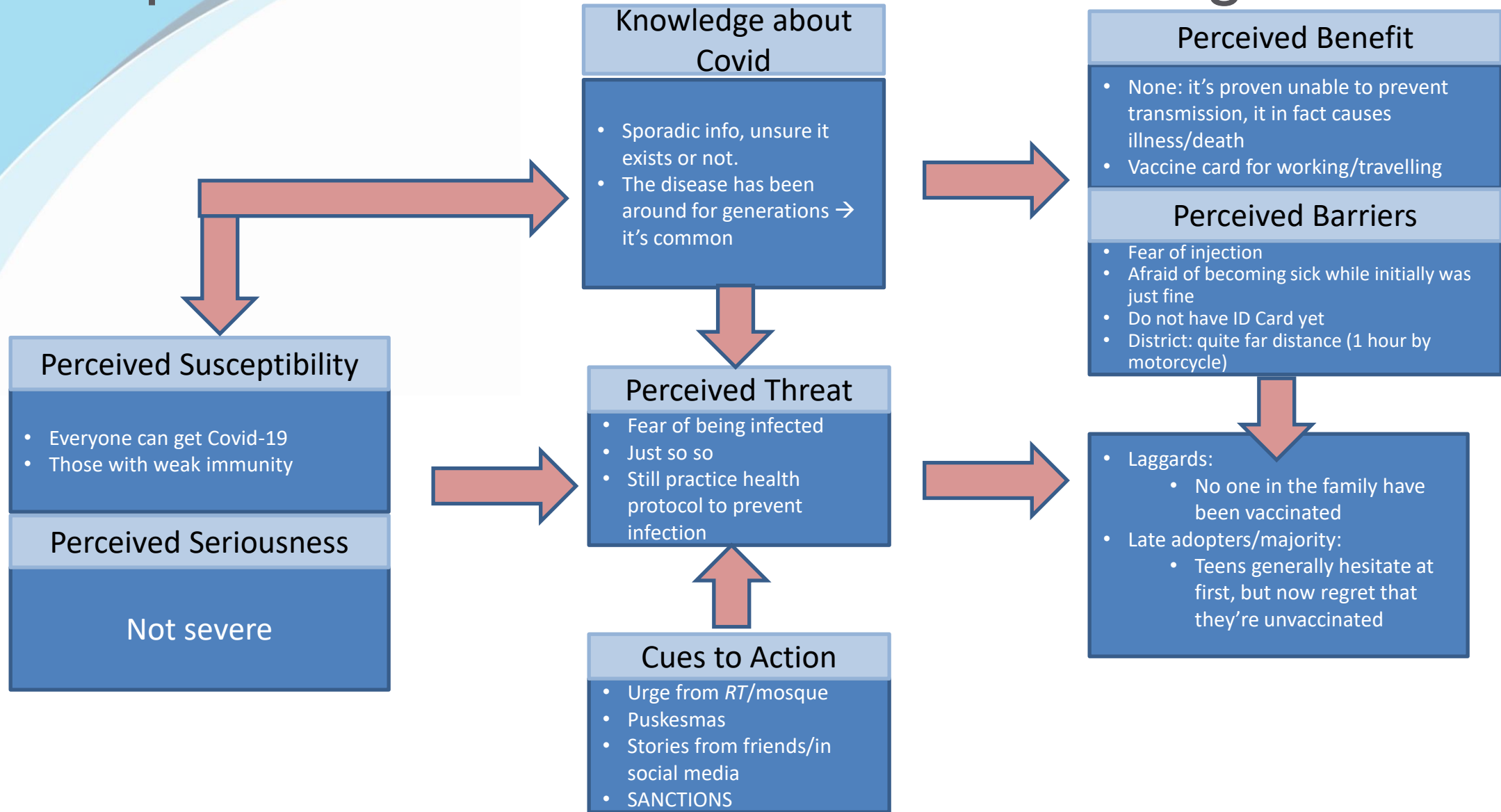
Perception on COVID-19 Vaccine among Adult Men



Perception on COVID-19 Vaccine among Adult Women



Perception on COVID-19 Vaccine among Adolescents



Perception on COVID-19 Vaccine among Community/Religious Leaders



Perceived Barriers to Vaccination among the Elderly

District

Fear of injection:

- I'm **afraid to be injected and then die** because I'm old already... (KL, Malaka)
- **I'm afraid of needles.** In the past I needed injections [history of illness] on the hip 2x a day for 40 days and it traumatized me. The RT Leader had visited me several times but I don't want vaccine (ZND, Inhu; MRD, Inhu)

Have comorbidities:

- **If it weren't for my shortness-of-breath illness, I would be vaccinated.** My wife has had it and she can go out now (MWR, Sumenep)
- I haven't been vaccinated because I was sick, I went to the doctor, he asked if I'd been vaccinated, **I said not yet because I was sick, and he didn't insist on it** (RLW, Bantaeng)

Access:

- **The place is far, it's difficult for me to walk. I want to be vaccinated if someone can visit me at home.** I heard from someone that you would get a fever, that makes me worried (AF, Malaka)



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City

Ineligible:

- I've been to the vaccination center 2x, but I couldn't get the vaccine due to **high blood pressure** and heart disease (AR, Kupang).
- I wanted to be vaccinated, but **my blood sugar level was high** at that time, so I couldn't get the vaccine, I'm also afraid of needles. Once my diabetes becomes normal, I'm willing to be vaccinated (YP, Probolinggo)

Doubt about the benefit of vaccine:

- "Need explanation about the third dose, what other benefit can it give? The second dose was unclear, the 3rd dose is only to scare people." (AMM, Pare-Pare City)

Feel it's unnecessary and is not allowed by family member:

- It's not needed because of my age, plus **I don't go anywhere, I stay home, my son told me not to be vaccinated**, if there are effects later, it will give problems to my son (LKB, Singkawang)

Fear of side effects:

- I don't want to be vaccinated no matter what, **I'm still afraid of what happened to my brother**, after getting the vaccine his hands and feet became weak (RJN, Singkawang)

Perceived Barriers to Vaccination among Adult Women

District

Not allowed by husband:

- My **husband said don't get vaccinated since the effect is** very something, he said he got it because it's mandatory at the office. After vaccination, he has a cold constantly (H, Sumenep)

Have comorbidities:

- Yes, **I'm afraid I'll become sicker.** Yes, I want to wait until I'm healed, once I feel better, then I'll register (Z, Bantaeng)

Ineligible:

- I had registered and the doctor examined me, but then I couldn't get the vaccine since I have a **history of pulmonary disease.** The health worker asked for my sputum first (YLN, Malaka)

Weak willpower:

- For me it's just that **I don't want it yet.** If later my child asks for a vaccine card, if I have to present a vaccine card in order to get money, then I'll have no choice but to get the vaccine (NRG, Inhu)

Access:

- My house is far from the puskesmas, about 10 kilometers and I have to ride a motorcycle. Then I have to wait in line for a long time because after the registration I myself have to go and wait from 8 am to 8 pm (Y, Malaka)



Perceived Barriers to Vaccination among Adult Men

District

Fear of side effects:

- Yes *I'm afraid of the side effect* after the vaccination. All my friends become ill after vaccination (AS, Inhu).

Fear of injection:

- *I'm afraid of regular injections, let alone vaccination.* I received injection when I was a kid. It's been 20 years ago (A, Sumenep; IYN, Kuburaya)

Doubt about the benefit of vaccine:

- *I'm doubtful since my uncle was vaccinated but then he got covid.* My wife didn't have doubt since to get the direct cash assistance you have to be vaccinated. Otherwise you won't get assistance (A, Banateang)

Late adopters:

- *I had doubts at first, but now I regret it since I applied for a job and they asked for my vaccine card.* I want to be vaccinated now but *there are no vaccines* (RZ, Banteang)



Perceived Barriers to Vaccination among Adolescents

District

Missed opportunity:

- I've waited in line for the vaccine, Ma'am, but I saw **someone pass out, I went home immediately**, some did return (VRK, Malaka)

Fear of injection:

- I got an injection once when I was small (before school age) but **I had to be restrained by many people** (5 people). I think it'll be painful if a doctor gives me injection (LH, Sumenep)

City

Fear of injection:

- **I'm afraid to hear people say needles**. It's because I'm afraid of needles and I've never had an injection. The last injection was when I was a kid (AF, Parepare)

Fear of side effects:

- I don't think it's necessary, Ma'am, **it's more because of fear** when it comes to vaccine, I heard that after vaccination you'll get a fever, a kid cannot walk, in fact some died after vaccination (JR, Kupang)
- **It's scary, Ma'am, since vaccine usually makes you sick**, you get a fever and die. A relative of mine was vaccinated at 10 am, and he died at 4 pm (M, Singkawang)

Weak willpower:

- **I don't feel like going out and I don't have an ID Card yet**. I'm a bit afraid of injection. At times I want to get the vaccine, but I'm reluctant to wait for a long time, the other day my aunt waited in line from 9 to 11 (KP, Inhu)

Perceived Barriers to Vaccination among Religious Leaders

District

Fear of side effects:

- *It's not that I don't want it, but I'm afraid to be vaccinated because **one time I developed an allergy after an injection**, I had rashes all over my body, and I don't want that (J, Inhu)*

Fear of injection:

- ***I personally am afraid of needles**. I've never had an injection since when I was a kid. I don't know what the purpose of vaccination is, I don't know what it's for (IB, Sumenep)*

Late adopters:

- ***Not right now**, later if I want to travel outside the island of Kalimantan indeed we are required to be vaccinated, I may change and get the vaccine later (MN, Kuburaya)*

Ineligible:

- *Only us who have **high blood pressure**, I've measured it, my BP is almost 200-ish. I've measured it more than ten times, the result is the same. (B, Malaka)*

City

Fear of injection:

- *First, **I have a phobia of needles**, and after asking around, **actually I can use herbal medicine**. Especially now for vaccination we have V1, V2, there are rumors there will be V4 ... I conclude that it's of no use (MH, Probolinggo)*

Have comorbidities:

- *I have **comorbidities**, one of my relatives died due to a comorbidity, so I'm scared (MR, Kupang)*
- *By myself **I don't have an opportunity to walk far**, I'm afraid since I have high blood pressure, high cholesterol so I don't get vaccinated (DSL, Singkawang)*

Doubt about the benefit of vaccine :

- *In my opinion **it's of no use**. By law we are responsible for our own health, and I keep observing the health protocol until now and I'm still healthy (P, Parepare)*

Missed opportunity:

*At the puskesmas, **they ran out of it**. So I didn't get it. Yet I've taken the time, and not go to the field, I was disappointed (M, Dumai)*

Perception about Vaccination among the Elderly

District

Vaccination causes death

- I'm afraid of dying after getting the vaccine. A 60-yr-old friend died, **after getting the vaccine, he immediately fell sick and died**, 5 days after the vaccination, another person died after getting the vaccine, 45 yrs old,.. That's after getting the vaccine, last year a lot of people..died (M, Sumenep)

Vaccination makes people sick

- **I was told there would be fever, so I become worried**, ..afraid..vaccination is necessary, because I'm ill (high blood pressure) I don't want the vaccine. (AF, Malaka)

Vaccination as a prerequisite

- It's a requirement for direct cash assistance, **without vaccination, we can't get assistance**. (Z, Indragiri Hulu)

Vaccination is for young people

- It's good to be vaccinated, for prevention. I don't want vaccination since I'm old already, **let it be for my children because they're still young**. My friends don't want the vaccine either because we're old. (R, Bantaeng)

City

Vaccination causes death

- Vaccination is a must, it's for a good purpose so that everyone is healthy, but I'm still confused why some vaccinated people still got infected. My relative in Central Java **died right after getting vaccinated** (YP, Probolinggo)

There's no proof the vaccine can prevent Covid 19

- People **have been vaccinated but they still get covid**, fever, coughing. So what's the use of vaccination? After vaccination we're still told to wear a mask, keep our distance. It means this is not immunity ...so I'm not sure, what is its benefit?

Vaccination is for young people

- (Young people) are still healthy, underage, if they're vaccinated, they can go to various places, otherwise, they can't go anywhere, they have to stay in the forest, then what work are they going to do? If they're vaccinated, they can work out of town, **so tell those youngsters to be vaccinated, the healthy ones, the unhealthy ones don't get vaccinated** (L, Singkawang)

Vaccination is for healthy people

- Vaccination is for immunity.. **I have high blood pressure and a heart condition** (AR, Kupang City)



Perception about Vaccination among Adult Men (1)

District

There's no proof the vaccine can prevent Covid 19

- *So that others won't be infected, that's why a lot of people are vaccinated.. I'm doubtful since my uncle **has been vaccinated but he then got Covid.** (A, Bantaeng)*

Vaccination causes death

- *It's not good. **These days we often hear about people dying after getting injected.** It's mostly like that in Madura, so I was told. Madura people said so. They're afraid injections make them ill. If you don't get injected, you don't get Covid. I'm the proof, I don't get injected, and I'm continually healthy. Thank God. Lots of friends think the same way. If we get vaccinated, we're worried it's painful, worried we'll get Covid. Not sure what its benefit is for the public. (A, Sumenep)*



City

Vaccination makes people sick

- *I myself don't want to be vaccinated because first, I don't believe it, second, I have an illness, asthma, sometimes it's triggered, I will throw up, so **I'm worried about its effect on my illness.** For sure, no (J, Singkawang)*
- *Agree to Covid vaccination, it's important to keep us healthy, but I'm afraid of vaccination, afraid of injection, afraid I'll be sick when I get home, **when my mom got injected, she had a fever, I'm afraid I can't walk, the fever can last for 3 days.** My wife got the lighter vaccine, there are 3 vaccines, light and heavy, but she still had a fever after getting the vaccine, not sure what vaccine it was (C, Kupang)*
- *I got vaccinated, I had a fever for 3 days, I didn't go to work ..there was swelling, nobody said it's good after getting vaccinated, nobody said that. **My 1st child thank God, my 2nd child had a fever after getting vaccinated, took him to the hospital, didn't go to school for 3 days.** Before vaccination he was sick once, after vaccination he's sick often, he has no energy, he constantly feels weak (F, pare-lare)*



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Perception about Vaccination among Adult Women(1)

District

Unclear about the benefit of vaccination

- Well, how do I say it, since **we don't know about its benefits to our body** so I don't understand about the vaccine, what I do know it's for our immunity, but I'm still afraid, Ma'am, well, my fear is that the vaccine can have an effect on my baby, since I'm still breastfeeding my baby (E-B, Kubu Raya)

Vaccination makes people sick

- In my opinion, vaccination **is only going to give you a disease.** Most people here, in Sumenep, most of the people who are vaccinated, a lot of them die because of the vaccine. It's after the vaccination. (H-B, Sumenep)

City

Vaccination makes people sick

- **A vaccine can decrease your body's immunity**, you become sick easily like cough, runny nose, I got information that after getting a vaccine you easily get a fever, runny nose, cough, (R-P, Singkawang)
- Some did, **some had pain in their body after vaccination**, but it's only for a brief period, but then they're not normal like before. (S- P, Pare-pare)
- It's to protect us from Covid, but will I be truly free from covid later because I've been vaccinated? **What if you end up getting another disease**, (because she has a lump). (C-P, Probolinggo)

Perception about Vaccination among Community/Religious Leaders(1)

District

Vaccination as a prerequisite

- The benefit of vaccination is so you can avoid covid. ..**Get vaccinated so you can go places**, let's get vaccinated to fight covid ..the benefit is you get assistance, the PKH program, direct cash assistance from the village, (KP, Inhu)

Vaccination makes people sick

- When people get **vaccinated, they actually become sicker**, if their body is not strong. If their body is strong, then it's okay. My neighbor became sicker after getting the vaccine (IB, Sumenep)

Unclear about the benefit of vaccination

- Since the time when vaccination started to be available, I've **been getting information, this and that**, so I decided to not get vaccinated, it's not that we reject it .. Currently we're not ready to be vaccinated (informant's family: wife, children are unvaccinated) (MN, Kubu raya)

City

There's no proof the vaccine can prevent Covid 19

- **Yes, give me proof that the vaccine is potent**, yes, mobility restriction shouldn't actually be done. I think it's coercion, and the result is "zero...why bother doing something that provides no guarantee?... (MH, Probolinggo)
- ... The available vaccine is not safe for those with comorbidities... **the fact is the vaccine has no effect on preventing transmission**. Those with comorbidities bear a risk. .. Now there's a new variant, so my trust on the benefit of vaccination is low. (MR, Kupang City)

Unclear about the benefit of vaccination

- Initially the person ishealthy, after getting a vaccine, he has a fever, that's just looking for illness.., vaccination absolutely has no effect ...as proof, my own family is not vaccinated and we're healthy. Especially now we have V1, V2, rumors say there's up to V4 but the pandemic hasn't gone away.. **I conclude it is of no use**. (MH, Probolinggo)
- What else do you want vaccination for ...in this region, **everyone is healthy, it's not necessary**. (M, Dumai City)

Perception about Vaccination among Adolescents

District

Vaccination makes people sick

- In my opinion, a vaccine is vitamin...it can make you healthy, make you fit and strong, ..but I hear from people “**vaccine only makes us sick, it’s useless**, so it’s better not to get vaccinated” (LH, Sumenep)
- There’s a tik tok video, someone who was ill got vaccinated. **Afterwards his condition worsened, he had a seizure, so he didn’t get healed**. It’s still confusing. So far, some said it’s painful, some said there are side effects. Yes, I believe it, and I don’t believe it (LH, Sumenep)
- Yet I’ve already waited in line to be vaccinated, Ma’am, but after seeing someone pass out, I went home right away, though several people came back. (V, Malaka)

Vaccination as a prerequisite

- For those **who travel and work in an office, that’s what vaccination is for**. Maybe with a vaccine, you can prevent Covid-19. (V, Malaka)



City

Vaccination causes death

- It’s scary, Ma’am, since **vaccines usually make you sick**, cause fever and death. A relative of mine got vaccinated at 10, by 4 pm he was dead, Ma’am (M, Singkawang)

Vaccination makes people sick

- I don’t think it’s necessary, Ma’am, it’s more toward fear when it comes to vaccination. I heard news **that after a vaccination, you’ll get a fever**, there was a little kid who couldn’t walk, in fact some die after vaccination (JR, Kupang)

Perception about Vaccination among Community/Religious Leaders (2)

District

Unclear about the benefit of vaccination

- *The information is that everyone has to be vaccinated, everyone has to be vaccinated. Other than that, I don't know what else. I support vaccination. It's okey in our neighborhood. **We think everyone is safe.** (B, Malaka)*

Vaccination makes people sick

- *Because of vaccine, people become sicker, if their body is not strong. It they have a strong body, then it's okey. My neighbor became sicker after getting vaccinated (IB, Sumenep)*

City

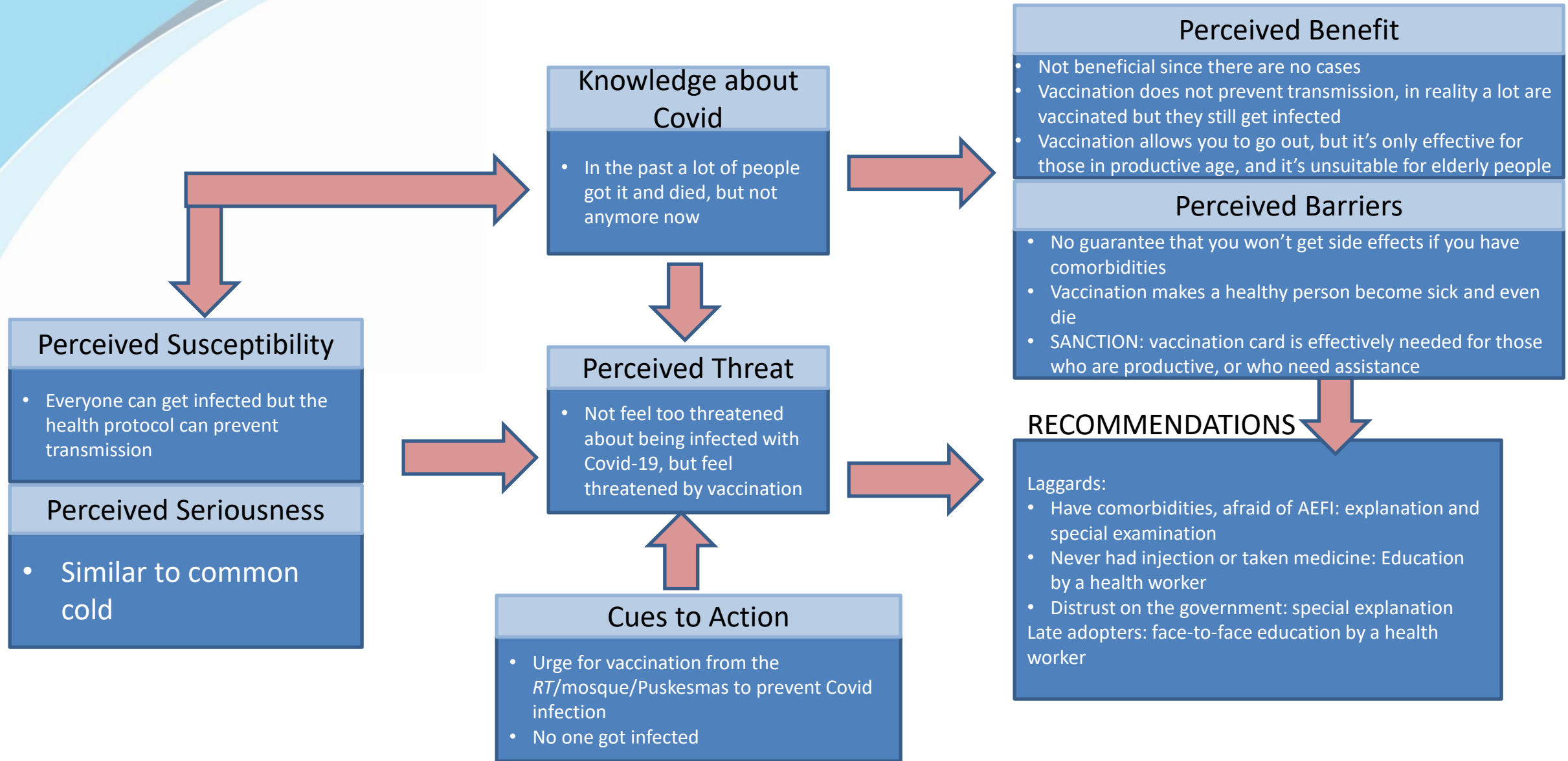
There's no proof the vaccine can prevent Covid 19

- ***In my opinion it's of no use,** I don't want to be arrogant, thank God, I'm still healthy until now, and I still comply with the health protocol, **the fact is even when you're immune, you can still get exposed,** as a non-knowledgeable lay person, in my opinion, if you're vaccinated you should be immune. The explanation the Government gave to the people is actually already clear, it's just that there are inappropriate examples here and there, one time there was an accident here, the person was taken to the hospital and died, and was diagnosed as having a virus, so there seems to be a target to have 100% vaccination coverage (P, Pare-Pare)*

CONCLUSION AND RECOMMENDATIONS



CONCLUSION



Public perception about sources of information

PUBLIC

- *Those with medium to upper educational level, I think they use their logic in responding, so in this regard, before disseminating information to the people, the government **should do a review first to make sure that everyone will not misunderstand the information.** In my opinion, it's **back to the role of the media, Ma'am**"(MH, Comm. Leader Kuburaya, W.Kal)*
- *I think it's best if information comes **directly from health personnel** because health workers are in this field on a daily basis, while media people, it's difficult sometimes, they want to say something but what they say can't be fully trusted (MH, Comm. Leader Kuburaya, W.Kal)*

INFORMATION FROM RT/RW

(neighborhood group/community group)

- *I told people that young people have to be vaccinated, who knows later there may be opportunities for them to work out of town or overseas and they will have to present a vaccine card, they've been told, **if you're not vaccinated, you won't be able to go** since this vaccine is also for our health so that we won't easily get covid-19. I told them, listen everyone, that's why we have to get the injection(DSL, Singkawang)*

RECOMMENDATIONS: VACCINE MESSAGES

- Vaccination is not to prevent transmission of COVID-19, but to lessen the deterioration of symptoms, primarily among those with comorbidities.
- Vaccination is not just for young people, but is also important for elderly people.
- Vaccine is not a cure for COVID-19, it instead serves to prevent severe symptoms primarily among those with comorbidities.
- Vaccine is not a drug or vitamin, but it's a weakened virus so that if we are infected, our body recognizes this enemy and can fight it.
- Fever after vaccination is common, vaccination does not cause paralysis or death.

Thank you

